

Direct Ion Storage Dosimeters

Radiation Safety Section



Direct ion storage dosimeters, such as Instadose™ from Quantum Products, are passive personnel dosimeters which are read onsite by the facility in lieu of being returned to the vendor periodically for evaluation. When properly used, these devices comply with the personnel monitoring and reporting requirements listed in the *Ionizing Radiation Rules* of the State of Michigan. Registrants must ensure that the devices are read at the appropriate frequency and that dose reports are generated at the required frequency.

Radiation dose reports need to include the following information for each occupationally exposed individual: (See form [MIOSHA-RSS-102](#))

- Name
- Identification Number
- Birth Date
- Period of exposure
- Dose for the Period
- Running Total for Calendar Quarter
- Total Quarterly Dose
- Total Accumulated Dose

The Ionizing Radiation Rules require registrants to determine and record an individual's occupational dose accumulated each calendar quarter. Reports of occupational dose shall be saved for review during regulatory inspections. A calendar quarter is defined in Rule 6(1).

Quantum has produced a YouTube video "Performing a Reading & Running Reports" (<http://youtu.be/z9zdbZkc5ok>) which explains how to print reports with their product. Once the report is generated it can be printed or saved as a PDF and must be maintained permanently by the facility and be available for inspection by Radiation Safety Section health physicists.